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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/010,800	12/07/2001	Jae-Duck Lee	678-706 (P9742)	7307
28249 7	590 05/17/2005		EXAM	INER
DILWORTH & BARRESE, LLP 333 EARLE OVINGTON BLVD.			DOAN, KIET M	
UNIONDALE, NY 11553		1	ART UNIT	PAPER NUMBER
,			2683	

DATE MAILED: 05/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/010,800	LEE, JAE-DUCK			
Office Action Summary	Examiner	Art Unit			
	Kiet Doan	2683			
The MAILING DATE of this communication Period for Reply	appears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state than three months after the mearned patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply be ti reply within the statutory minimum of thirty (30) da iod will apply and will expire SIX (6) MONTHS from atute, cause the application to become ABANDONE	mely filed ys will be considered timely. the mailing date of this communication. ED (35 U.S.C. § 133).			
Status	•				
1)⊠ Responsive to communication(s) filed on 0	7 December 2001				
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· <u> </u>					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims					
4) ⊠ Claim(s) 1-7 is/are pending in the application 4a) Of the above claim(s) is/are without 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-7 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and	drawn from consideration.				
Application Papers					
9) The specification is objected to by the Exam 10) The drawing(s) filed on <u>07 December 2001</u> Applicant may not request that any objection to Replacement drawing sheet(s) including the cor 11) The oath or declaration is objected to by the	is/are: a)⊠ accepted or b)⊡ object the drawing(s) be held in abeyance. Se rection is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International Bur * See the attached detailed Office action for a	ents have been received. ents have been received in Applicatoriority documents have been received in PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachment(s)					
1) ⊠ Notice of References Cited (PTO-892) 2) ⊡ Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summan Paper No(s)/Mail D				
 Notice of Draitsperson's Patent Drawing Review (PTO-946) Information Disclosure Statement(s) (PTO-1449 or PTO/SB Paper No(s)/Mail Date 		Patent Application (PTO-152)			

DETAILED ACTION

Response to Amendment

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Soliman (Patent No. 6,321,090).

Consider **claims 1** and **4**, Soliman teaches a method for performing a hard handoff in a cellular mobile communication system (Title), the method comprising the steps
of: setting an area of services covered with a frequency assignment (FA) unavailable to
adjacent stations to be a boundary cell (C7, L12-51, Fig.3, No.84 (f1), No.86 (f2) as
area of services covered with a frequency assignment, No.88 as boundary cell);
entering into the set boundary cell by a mobile communication terminal during
communication (C7, 39-50, Fig.3, No.26, Illustrate mobile station/terminal entering into
boundary cell); and searching FAs (C3, L5-15, teach tracking signals means as
searching FA) of adjacent stations excluding a base station currently engaged in
communication with said mobile communication terminal so as to determine a target FA.

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with which the mobile communication terminal is to perform the hard hand-off (C4, L23-55, Fig.1, Illustrate No.20 as adjacent stations excluding a base station currently engaged in communication and No.18 as current engaged in communication with mobile terminal No.26, and where No.18 drop source link 28 and new link No.34 is form which said mobile communication terminal so as to determine a target FA "No.20").

Consider **claims 2 and 5**, Soliman teaches the method of claim 1, wherein the target FA is determined by the mobile communication terminal through searching common FAs of adjacent stations to perform the hard hand-off therewith (C7, L51-67, C8, L1-23, Fig.2, No.48 teach selector tracking mobile terminal means as searching common FAs of adjacent stations as f1/f2 to perform the hard hand-off therewith).

Consider claims 3 and 6, Soliman teaches the method of claim 2, wherein determination of the target FA includes a step of recognizing that the mobile communication terminal is currently engaged in communication in the boundary cell (C3, L5-22, C4, L31-40, teach tracking signal when mobile within the determined are which means as determination of the target FA includes a step of recognizing mobile currently engaged in communication in the boundary cell), and commanding the mobile communication terminal to search FAs of the adjacent stations excluding the base station currently engaged in communication with said mobile communication terminal by means of a base station controller (BSC), which controls the hand-off of the mobile communication terminal (C4, L23-55, Fig.1, No.12, Illustrate MSC which contain base

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station controller for controls the hand-off of the mobile communication terminal).

Consider claim 7, Soliman teaches a method for performing a hard hand-off in a cellular mobile communication system including at least two base stations for providing a mobile communication terminal with services by having service areas that share at least one FA and can be overlapped, and a base station controller (BSC) for controlling the hand-off of the mobile communication terminal (C4, L23-55, Fig.1, No.36 as FA overlapped, No.12, Illustrate MSC which contain base station controller for controls the hand-off of the mobile communication terminal), the method comprising the steps of: setting an area of services covered by an FA unavailable to adjacent stations to be a boundary cell (C7, L12-51, Fig.3, No.84 (f1), No.86 (f2) as area of services covered with a frequency assignment, No.88 as boundary cell); connecting communication with a first sector and a second sector by a softer hand-off while the mobile communication terminal moves from the first sector to the second sector of the base station currently engaged in communication with said mobile communication terminal (, C1, L55-57, C4, L45-50 teach soft hand-off); recognizing the second sector to be the boundary cell (C3, L15-28 teach tracking signal which can recognizing the second sector to be the boundary cell), and commanding the mobile communication terminal to search common FAs of the adjacent stations, except the base station currently engaged in communication, by the BSC; searching common FAs of the adjacent stations by the mobile communication terminal in response to the command, and reporting the searched results to the BSC; determining a target FA, with which the BSC is to perform

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the hand-off by using the searched results if conditions for performing the hard hand-off are satisfied; and performing the hard hand-off with the determined target FA by disconnecting the communication with the first sector and the second sector from the mobile communication terminal under a command of the BSC (C4, L23-55, Fig.1, Illustrate No.20 as adjacent stations excluding a base station currently engaged in communication and No.18 as current engaged in communication with mobile terminal No.26, and where No.18 drop source link 28 and new link No.34 is form which said mobile communication terminal so as to determine a target FA as No.20 and terminal under a command of the BSC as No.14).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiet Doan whose telephone number is 571-272-7863. The examiner can normally be reached on 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kiet Doan

Patent Examiner

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